

Readiness Review Hazard Identification Checklist

Name of Activity:		Activity Supervisor (Print):		Room: Building:		
	SC/SR Signature	Employee #	Date	Group Leader Signature (Approval)	Employee	e# Date
	IMPORTANT	! Attach a haza	rd managem	nent statement for each item	checked bel	ow.
Check all of the following that are applicable to/or involved with the activity. This checklist will be utilized by ESH&A in review of the activity.						
2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	Chemical and Biological Concerns Mercury or mercury compounds (e.g. dimethyl mercury). Research involving human subjects or animal studies. Chemicals requiring personnel medical monitoring (see Federally Regulated Hazards). Hazardous or toxic chemicals (see Ames Lab EPA List). Extremely hazardous substances Flammable chemicals (flashpoint < 100°F) in quantities greater than 4 liters (1 gallon) in one room. Perchloric or picric acid, peroxide-formers (see Peroxide Forming Chemicals). Pyrophoric or explosive materials (see Chemical Incompatibilities). Activities that generate potentially hazardous ambient air concentrations of nanoscale and other particulates, mists, fumes, vapors, or asphyxiates. Generation of chemical, mixed, or radioactive waste (as defined by the Ames Laboratory Waste Management Program Manual). Generation of new waste streams, or a > 20% increase in an existing waste stream. Biological materials including human, plant or animal pathogens (see Biohazardous Materials). Suspected and/or confirmed carcinogens (see Carcinogenic Substances).					
	Activities that involve the	use of engineered nanosca	ale materials (< 100	nanometers).		
2. 3. 4. 5.	Radiactive materials, radiation sources. Lasers (excludes laser printers and pointers). Radio frequency (RF) or microwave generators (excluding personal microwave ovens) of greater than 10 watts average output power. Ultraviolet radiation, which could expose personnel (e.g. arc welding, inductively coupled plasma, UV reactors, xenon lamps, etc.). Generation of Radioactively contaminated waste as defined by the Ames Laboratory Waste Management Program Manual. X-ray generating devices.					
2. 3. 4.	Electrical Concerns Work with exposed electrical wiring or parts with voltages greater than 50 volts. 2 Work with stored energy systems (e.g. capacitor banks > 10 joules; station battery systems > 50 volts). 3 Voltage systems of greater than 600 volts. 4 Current systems of greater than 25 amps. 5 Electrical devices not certified by a Nationally Recognized Testing Laboratory (e.g. Underwriters Laboratory, CSA, etc.).					
1. 2. 3.	 Environmental Concerns Potential to release hazardous, radioactive materials or oil products (include oil filled equipment/containers with a capacity ≥55 gallons) to the sanitary or storm sewers, soil. Potential for release of chemical, physical, radiological agents (nanoscale and other particulates, fumes, mists, or vapors) to the air via hood or other exhaust system. Transportation of hazardous or radioactive materials, including laboratory-to-laboratory and on-site or off-site. Activities requiring an emission permit. 					
3. 4. 5. 6. 7. 8. 9. 10.	Use of a glove box.	e mass or volume) equipme proximity of floor openings of of safety eyewear, respirat rce hot-work, or exposed hobints. sure delivery systems, othe in vessels, and glass system igging. ding thermal and/or oxygen y systems (e.g. flywheels, n	or on elevated work prors and/or other form eat sources (e.g. we re than installed build ins (> +/-5 psig).	platforms or scaffolds. ms of personal protective equipment (PPE). elding, soldering, arc welding, furnaces, etc.). ling utilities (> +/- 5 psig).		
2. 3. 4. 5.	Workplace Concerns Confined space (as defin Activities that limit means Temperature or humidity Work which produces ace Activities that involve tasl Activities that involve liftir	of egress. extremes. ute noise that interferes with s of prolonged repetitive m	n normal conversation			
2. 3. 4.	Other Concerns Activities involving sub-complete Public tours of Ames Laber Area renovation. Activities that involve equence Activities to be performed	oratory facilities or the use ipment valued at \$100,000	or more in one roon		nis item if any other ite	m is checked